

WHAT IS CLAIMED IS:

- 5 1. An electronic camera system comprising:  
an electronic camera for converting an image  
obtained by sensing into a file and recording the file;  
a first communication device attached to said  
electronic camera to transmit the image file recorded  
in said electronic camera upon receiving base station  
identification information of a master unit in position  
registration processing according to movement, said  
10 first communication device being registered in the  
master unit as a subsidiary unit;  
a second communication device for transferring  
the image file sent in position registration processing  
of said first communication device, said second  
15 communication device serving as the master unit in  
which said first communication device is registered as  
the subsidiary unit in advance; and  
a recording apparatus connected to said second  
communication device to record the image file  
20 transferred from said second communication device.
2. A system according to claim 1, wherein when  
the image file is recorded in said recording apparatus,  
said electronic camera automatically erases the  
transmitted image file.
- 25 3. A system according to claim 1, wherein said  
electronic camera transmits only an image unrecorded in  
said recording apparatus to said recording apparatus

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through said first communication device and said second communication device.

4. A system according to claim 1, wherein said second communication device controls a power supply of said recording apparatus in position registration processing for said first communication device.

5. An electronic camera comprising:

recording means for recording an image obtained by sensing as an image file; and

transmission means for transmitting the image file recorded in said recording means upon receiving base station identification information of a master unit in position registration processing according to movement, the master unit having registered a self device as a subsidiary unit,

wherein the image file is recorded in a recording apparatus of the master unit upon being transmitted to the master unit by said transmission means.

6. A camera according to claim 5, further comprising means for, when the image file is recorded in said recording apparatus, automatically erasing the transmitted image file from the self device.

7. A camera according to claim 5, wherein said transmission means transmits only an image unrecorded in said recording apparatus to the master unit.

8. An electronic camera comprising:

recording means for recording an image obtained by

sensing as an image file;

means for determining whether a base station capable of communication at the highest level is a master unit in which a self device is registered as a subsidiary unit;

means for, when it is determined that the base station is the master unit in which the self device is registered as the subsidiary unit, transmitting a file name of the image file recorded in said recording means to the master unit and receiving a file name of an untransmitted image file from the master unit; and

means for transmitting an image file corresponding to the received file name of the untransmitted image file to the master unit.

9. A camera according to claim 8, further comprising

means for disconnecting communication with the master unit after the image file corresponding to the file name of the untransmitted image file is transmitted to the master unit.

10. An electronic camera system comprising:

an electronic camera; and

a personal handy phone unit attached to said electronic camera,

wherein said electronic camera comprises

image sensing means for sensing a target sensing object,

a memory card for recording an image of the target sensing object sensed by said image sensing means as an image file, and

5 a control section for transmitting a file name of the image file recorded on said memory card to said personal handy phone unit, searching said memory card for an image file corresponding to a file name of an untransmitted image file, the file name being transmitted from said personal handy phone unit, and  
10 transmitting the image file found by the search to said personal handy phone unit, and

said personal handy phone unit transmits a file name of the image file recorded on said memory card and sent from said control section to a master unit in  
15 which a self device is registered as a subsidiary unit, receives a file name of an untransmitted image file from the master unit, transmits an image file corresponding to the received file name of the untransmitted image file to said control section, and  
20 transmits the image file found by the search transmitted from said control section to the master unit.

11. An electronic camera for storing image sensing data in nonvolatile storage means, comprising:

25 a communication unit having a unique identification code to perform data communication compatible to a handyphone system; and

connection means for integrally connecting said communication unit to said electronic camera main body,

wherein said communication unit transfers the image sensing data stored in said nonvolatile storage means to a predetermined partner through said communication unit only when direct communication with the predetermined partner is possible.

12. A camera according to claim 11, wherein said communication unit is detachably connected to said electronic camera main body.

13. A camera according to claim 11, wherein the predetermined partner is a base station unit which has a unique identification code and a predetermined storage unit and is capable of data communication compatible to said handyphone system, and which performs data communication with said electronic camera and stores the transferred image sensing data in said predetermined storage unit.

14. An electronic camera system comprising:

an electronic camera having a unique identification code and capable of transferring image sensing data stored in nonvolatile storage means to a predetermined partner by data communication compatible to a handyphone system, said electronic camera storing the image sensing data in said nonvolatile storage means; and

a base station unit which has a unique

identification code and a predetermined storage unit  
and is capable of data communication compatible to said  
handyphone system, and which performs data communica-  
tion with said electronic camera and stores the  
5 transferred image sensing data in said predetermined  
storage unit.

15. A system according to claim 14, wherein said  
electronic camera is set as a subsidiary unit having  
said base station unit as a master unit and transfers  
10 the image sensing data only when said master unit and  
said subsidiary unit can directly perform data  
communication.

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